

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	L4 and (novel IRES)	0	<u>L11</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	L9 and L4	3	<u>L10</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(bicistronic or dicistronic or multicistronic) and (IRES)	116	<u>L9</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	L4 and (IRES)	7	<u>L8</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	L4 same (expression vector)	3	<u>L7</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	L4 and (expression vector)	86	<u>L6</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	L4 and (DIAV or SNV or CSV)	44	<u>L5</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(REV-?) or (reticuloendotheliosis virus)	190	<u>L4</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	L1 and (REV or (reticuloendotheliosis virus))	0	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	Lastra-marcelo-lopez.in.	0	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	Darlix-jean-luc.in.	6	<u>L1</u>

Set	Items	Description
S1	75	(RETICULOENDOTHELIOSIS (W) VIRUS) AND (VECTOR)
S2	4	S1 AND (IRES)
S3	2	RD (unique items)
S4	0	S1 AND REVIEW
S5	0	S1 AND (NOVEL (W) INTERNAL (W) RIBOSOME (W) ENTRY (W) SITE)
S6	2	(NOVEL (W) INTERNAL (W) RIBOSOME (W) ENTRY (W) SITE)
S7	1	RD (unique items)
S8	7	(RETICULOENDOTHELIOSIS (W) VIRUS) AND (IRES)
S9	4	RD (unique items)

?logoff

```

21jan02 13:55:28 User259876 Session D309.2
$1.36      0.425 DialUnits File155
$0.80      4 Type(s) in Format  3
$0.80      4 Types
$2.16 Estimated cost File155
$1.98      0.353 DialUnits File5
$1.65      1 Type(s) in Format  3
$1.65      1 Types
$3.63 Estimated cost File5
$5.05      0.594 DialUnits File73
$4.70      2 Type(s) in Format  3
$4.70      2 Types
$9.75 Estimated cost File73
OneSearch, 3 files,  1.372 DialUnits FileOS
$0.50 TYMNET
$16.04 Estimated cost this search
$16.35 Estimated total session cost   1.459 DialUnits

```

### Status: Signed Off. (10 minutes)

### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)  
Trying 3106900061...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

\*\*\*\*\* HHHHHHHH SSSSSSS?

### Status: Signing onto Dialog

\*\*\*\*\*

ENTER PASSWORD:

\*\*\*\*\* HHHHHHHH SSSSSSS? \*\*\*\*\*

Welcome to DIALOG

### Status: Connected

Dialog level 01.12.27D

Last logoff: 16jan02 11:10:39

Logon file001 21jan02 13:46:08

\*\*\* ANNOUNCEMENT \*\*\*

\*\*\*

--Connect Time joins DialUnits as pricing  
options on Dialog. See HELP CONNECT for  
information.

\*\*\*

--SourceOne patents are now delivered to your  
email inbox as PDF replacing TIFF delivery.  
See HELP SOURCE1 for more information.

\*\*\*

--Important news for public and academic  
libraries. See HELP LIBRARY for more information.

\*\*\*

--Important Notice to Freelance Authors--  
See HELP FREELANCE for more information

\*\*\*

NEW FILES RELEASED

\*\*\*TEME - Technology and Management (File 95)

\*\*\*NewsRx Weekly Reports (File 135)

\*\*\*TRADEMARKSCAN-Japan (File 669)

\*\*\*Financial Times Fulltext (File 476)

\*\*\*

UPDATING RESUMED

\*\*\*Delphes European Business (File 481)

\*\*\*

RELOADED

\*\*\*CLAIMS/US PATENTS (Files 340, 341, 942)

\*\*\*Kompass Middle East/Africa/Mediterranean (File 585)

\*\*\*Kompass Asia/Pacific (File 592)

\*\*\*Kompass Central/Eastern Europe (File 593)

\*\*\*Kompass Canada (File 594)

\*\*\*CANCERLIT (File 159)

\*\*\*D&B - Dun's Market Identifiers (516)

\*\*\*Information Science Abstracts (File 202)

\*\*\*New document supplier\*\*\*

IMED has been changed to INFOTRIE (see HELP OINFOTRI)

>>>Get immediate news with Dialog's First Release  
news service. First Release updates major newswire  
databases within 15 minutes of transmission over the  
wire. First Release provides full Dialog searchability  
and full-text features. To search First Release files in  
OneSearch simply BEGIN FIRST for coverage from Dialog's

broad spectrum of news wires.

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<  
>>> of new databases, price changes, etc. <<<  
\*\*\*\*

KWIC is set to 50.  
HIGHLIGHT set on as '\*'  
\*\*\*\*

\*\*\*\*

File 1:ERIC 1966-2002/Jan 11  
(c) format only 2002 The Dialog Corporation

Set	Items	Description
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Cost is in DialUnits

?b 155, 5, 73

21jan02 13:46:16 User259876 Session D309.1

\$0.30 0.087 DialUnits File1

\$0.30 Estimated cost File1

\$0.01 TYMNET

\$0.31 Estimated cost this search

\$0.31 Estimated total session cost 0.087 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2002/JAN W3

**\*File 155: File temporarily is not updating. The updating will resume by the end of January 2002.**

File 5:Biosis Previews(R) 1969-2002/Jan W2

(c) 2002 BIOSIS

File 73:EMBASE 1974-2002/Jan W2

(c) 2002 Elsevier Science B.V.

**\*File 73: For information about Explode feature please see Help News73.**

Set	Items	Description
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?s (Reticuloendotheliosis (w) virus) and (vector)

4631 RETICULOENDOTHELIOISIS

1079309 VIRUS

1100 RETICULOENDOTHELIOISIS(W)VIRUS

179042 VECTOR

S1 75 (RETICULOENDOTHELIOISIS (W) VIRUS) AND (VECTOR)

?s s1 and (IRES)

75 S1

1884 IRES

S2 4 S1 AND (IRES)

?rd

...completed examining records

S3 2 RD (unique items)

?t s3/3,k/all

3/3,K/1 (Item 1 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

10809035 99412355 PMID: 10482590

**Identification of an internal ribosome entry segment in the 5' region of the mouse VL30 retrotransposon and its use in the development of retroviral vectors.**

Lopez-Lastra M; Ulrici S; Gabus C; Darlix JL

Labo Retro, Unite de Virologie Humaine-U412, Institut National de la Sante et de la Recherche Medicale, Ecole Normale Superieure de Lyon, 69364 Lyon cedex 07, France.

Journal of virology (UNITED STATES) Oct 1999, 73 (10) p8393-402,  
ISSN 0022-538X Journal Code: KCV

Languages: ENGLISH

Document type: Journal Article  
Record type: Completed

... in cell culture. In this study, we addressed whether the 5' region of VL30m could replace the 5' leader of MoMLV functionally in a recombinant \*vector\* construct. Our data confirm that the putative packaging sequence of VL30 is located within the 5' region (nucleotides 362 to 1149 with respect to the cap structure) and that it can replace the packaging sequence of MoMLV. We also show that VL30m contains an internal ribosome entry segment (\*IRES\*) in the 5' region, as do MoMLV, Friend murine leukemia virus, Harvey murine sarcoma virus, and avian \*reticuloendotheliosis\* \*virus\* type A. Our data show that both the packaging and \*IRES\* functions of the 5' region of VL30m RNA can be efficiently used to develop retrotransposon-based vectors.

3/3,K/2 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2002 Elsevier Science B.V. All rts. reserv.

07079519 EMBASE No: 1997361382

**Characterization of an internal ribosomal entry segment within the 5' leader of avian \*reticuloendotheliosis\* \*virus\* type A RNA and development of novel MLV-REV-Based retroviral vectors**

Lopez-Lastra M.; Gabus C.; Darlix J.-L.

Dr. J.-L. Darlix, LaboRetro Unite de Virologie Humain, INSERM U412, Ecole Normale Supérieure de Lyon, 46 Allée d'Italie, 69364 Lyon Cedex 07 France

Human Gene Therapy ( HUM. GENE THER. ) (United States) 1997, 8/16 (1855-1865)

CODEN: HGTHE ISSN: 1043-0342

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 65

**Characterization of an internal ribosomal entry segment within the 5' leader of avian \*reticuloendotheliosis\* \*virus\* type A RNA and development of novel MLV-REV-Based retroviral vectors**

...independent translation of gag precursor proteins. These data, together with structural homology studies, prompted us to undertake a search for new internal ribosome entry segment (\*IRES\*) of retroviral origin. Here we describe an \*IRES\* element within the 5' leader of avian \*reticuloendotheliosis\* \*virus\* type A (REV-A) genomic RNA. Data show that the REV-A 5' \*IRES\* element maps downstream of the packaging/dimerization (E/DLS) sequence and the minimal \*IRES\* sequence appears to be within a 129 nt fragment (nucleotides 452-580) of the 5' leader, immediately upstream of the gag AUG codon. The REV-A \*IRES\* has been successfully utilized in the construction of novel high titer MLV-based retroviral vectors, containing one or more \*IRES\* elements of retroviral origin. These retroviral constructs, which represent a starting point for the design of novel vectors suitable for gene therapy, are also of...

MEDICAL DESCRIPTORS:

\*murine leukemia virus; \*retrovirus; \*ribosome; \*virus \*vector\*  
?ds

Set	Items	Description
S1	75	(RETICULOENDOTHELIOSIS (W) VIRUS) AND (VECTOR)
S2	4	S1 AND (IRES)
S3	2	RD (unique items)
?s s1 and review		
	75	S1
	1199392	REVIEW
S4	0	S1 AND REVIEW
?s s1 and (novel (w) internal (w) ribosome (w) entry (w) site)		
	75	S1

493413 NOVEL  
 869360 INTERNAL  
 46999 RIBOSOME  
 129515 ENTRY  
 962904 SITE  
 2 NOVEL (W) INTERNAL (W) RIBOSOME (W) ENTRY (W) SITE  
 S5 0 S1 AND (NOVEL (W) INTERNAL (W) RIBOSOME (W) ENTRY (W) SITE)

?s (novel (w) internal (w) ribosome (w) entry (w) site)

493413 NOVEL  
 869360 INTERNAL  
 46999 RIBOSOME  
 129515 ENTRY  
 962904 SITE

S6 2 (NOVEL (W) INTERNAL (W) RIBOSOME (W) ENTRY (W) SITE)

?rd

...completed examining records

S7 1 RD (unique items)

?t s7/3,k/all

7/3,K/1 (Item 1 from file: 5)  
 DIALOG(R)File 5:Biosis Previews(R)  
 (c) 2002 BIOSIS. All rts. reserv.

13137423 BIOSIS NO.: 200100344572

**XIAP IRES and uses thereof.**

AUTHOR: Korneluk Robert G(a); Holcik Martin; Liston Peter

AUTHOR ADDRESS: (a)Ottawa\*\*Canada

JOURNAL: Official Gazette of the United States Patent and Trademark Office  
 Patents 1242 (2):pNo Pagination Jan. 9, 2001

MEDIUM: e-file

ISSN: 0098-1133

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: The invention features purified nucleic acid encoding a \*novel\*  
 \*internal\* \*ribosome\* \*entry\* \*site\* (IRES) sequence from the X-linked  
 inhibitor of apoptosis (XIAP) gene. The invention also features methods  
 for using the XIAP IRES to increase cap-independent...

?ds

Set	Items	Description
S1	75	(RETICULOENDOTHELIOSIS (W) VIRUS) AND (VECTOR)
S2	4	S1 AND (IRES)
S3	2	RD (unique items)
S4	0	S1 AND REVIEW
S5	0	S1 AND (NOVEL (W) INTERNAL (W) RIBOSOME (W) ENTRY (W) SITE)
S6	2	(NOVEL (W) INTERNAL (W) RIBOSOME (W) ENTRY (W) SITE)
S7	1	RD (unique items)

?s (reticuloendotheliosis (w) virus) and (IRES)

4631 RETICULOENDOTHELIOSIS  
 1079309 VIRUS  
 1100 RETICULOENDOTHELIOSIS(W)VIRUS  
 1884 IRES

S8 7 (RETICULOENDOTHELIOSIS (W) VIRUS) AND (IRES)

?rd

...completed examining records

S9 4 RD (unique items)

?t s9/3,k/all

9/3,K/1 (Item 1 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)

10908635 20541956 PMID: 11090156

**Rous sarcoma virus translation revisited: characterization of an internal**

**ribosome entry segment in the 5' leader of the genomic RNA.**

Deffaud C; Darlix JL

LaboRetro, Unite de Virologie Humaine, Institut National de la Sante et de la Recherche Medicale, Ecole Normale Superieure de Lyon, 69364 Lyon Cedex 07, France.

Journal of virology (UNITED STATES) Dec 2000, 74 (24) p11581-8,  
ISSN 0022-538X Journal Code: KCV

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

... leader upstream of the Gag start codon. Translation of RSV Gag would thus differ from that prevailing in other retroviruses such as murine leukemia virus, \*reticuloendotheliosis\* \*virus\* type A, and simian immunodeficiency virus, in which an internal ribosome entry segment (\*IRES\*) in the 5' end of the genomic RNA directs efficient Gag expression despite stable 5' secondary structures. This prompted us to investigate whether RSV Gag translation might be controlled by an \*IRES\*-dependent mechanism. The results show that the 5' leaders of RSV and v-Src RNA exhibit \*IRES\* properties, since these viral elements can promote efficient translation of monocistronic RNAs in conditions inhibiting 5' cap-dependent translation. When inserted between two cistrons in...

... promote expression of the 3' cistron. A genetic analysis of the RSV leader allowed the identification of two nonoverlapping 5' and 3' leader domains with \*IRES\* activity. In addition, the v-Src leader was found to contain unique 3' sequences promoting an efficient reinitiation of translation. Taken together, these data lead...

**9/3,K/2 (Item 2 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

10809035 99412355 PMID: 10482590

**Identification of an internal ribosome entry segment in the 5' region of the mouse VL30 retrotransposon and its use in the development of retroviral vectors.**

Lopez-Lastra M; Ulrici S; Gabus C; Darlix JL

Labo Retro, Unite de Virologie Humaine-U412, Institut National de la Sante et de la Recherche Medicale, Ecole Normale Superieure de Lyon, 69364 Lyon cedex 07, France.

Journal of virology (UNITED STATES) Oct 1999, 73 (10) p8393-402,  
ISSN 0022-538X Journal Code: KCV

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

... to the cap structure) and that it can replace the packaging sequence of MoMLV. We also show that VL30m contains an internal ribosome entry segment (\*IRES\*) in the 5' region, as do MoMLV, Friend murine leukemia virus, Harvey murine sarcoma virus, and avian \*reticuloendotheliosis\* \*virus\* type A. Our data show that both the packaging and \*IRES\* functions of the 5' region of VL30m RNA can be efficiently used to develop retrotransposon-based vectors.

**9/3,K/3 (Item 3 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

10295822 98043300 PMID: 9382952

**Characterization of an internal ribosomal entry segment within the 5' leader of avian \*reticuloendotheliosis\* \*virus\* type A RNA and development of novel MLV-REV-based retroviral vectors.**

Lopez-Lastra M; Gabus C; Darlix JL

LaboRetro, Unite de Virologie Humaine INSERM U412, Ecole Normale Superieure de Lyon, France.

**Characterization of an internal ribosomal entry segment within the 5' leader of avian \*reticuloendotheliosis\* \*virus\* type A RNA and development of novel MLV-REV-based retroviral vectors.**

... al., 1995b). These data, together with structural homology studies (Koning et al., 1992), prompted us to undertake a search for new internal ribosome entry segment (\*IRES\*) of retroviral origin. Here we describe an \*IRES\* element within the 5' leader of avian \*reticuloendotheliosis\* \*virus\* type A (REV-A) genomic RNA. Data show that the REV-A 5' \*IRES\* element maps downstream of the packaging/dimerization (E/DLS) sequence (Watanabe and Temin, 1982; Darlix et al., 1992) and the minimal \*IRES\* sequence appears to be within a 129 nt fragment (nucleotides 452-580) of the 5' leader, immediately upstream of the gag AUG codon. The REV-A \*IRES\* has been successfully utilized in the construction of novel high titer MLV-based retroviral vectors, containing one or more \*IRES\* elements of retroviral origin. These retroviral constructs, which represent a starting point for the design of novel vectors suitable for gene therapy, are also of...

Descriptors: Genetic Vectors--genetics--GE; \*Leukemia Viruses, Murine --genetics--GE; \*RNA, Viral--genetics--GE; \*\*Reticuloendotheliosis\* \*Virus\* , Avian--genetics--GE; \*Transfection; \*Translation, Genetic

9/3,K/4 (Item 1 from file: 73)

DIALOG(R) File 73:EMBASE

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11093228 EMBASE No: 2001106802

**Rous sarcoma virus translation revisited: Characterization of an internal ribosome entry segment in the 5prime leader of the genomic RNA**

Deffaud C.; Darlix J.-L.

J.-L. Darlix, Unite Virologie Humaine, 412, Inst. Natl. Sante Rech. Med., Ecole Normale Supérieure Lyon, 46 Allée d' Italie, 69364 Lyon Cedex 07 France

AUTHOR EMAIL: Jean-Luc.Darlix@ens-lyon.fr

Journal of Virology ( J. VIROL. ) (United States) 2000, 74/24 (11581-11588)

CODEN: JOVIA ISSN: 0022-538X

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 65

...leader upstream of the Gag start codon. Translation of RSV Gag would thus differ from that prevailing in other retroviruses such as murine leukemia virus, \*reticuloendotheliosis\* \*virus\* type A, and simian immunodeficiency virus, in which an internal ribosome entry segment (\*IRES\*) in the 5prime end of the genomic RNA directs efficient Gag expression despite stable 5prime secondary structures. This prompted us to investigate whether RSV Gag translation might be controlled by an \*IRES\*-dependent mechanism. The results show that the 5prime leaders of RSV and v-Src RNA exhibit \*IRES\* properties, since these viral elements can promote efficient translation of monocistronic RNAs in conditions inhibiting 5prime cap-dependent translation. When inserted between two cistrons in...

...promote expression of the 3prime cistron. A genetic analysis of the RSV leader allowed the identification of two nonoverlapping 5prime and 3prime leader domains with \*IRES\* activity. In addition, the v-Src leader was found to contain unique 3prime sequences promoting an efficient reinitiation of translation. Taken together, these data lead...  
?ds